

Curriculum Vitae

Dr. Guohua Lian

1. Personal Profile

Gender: Male

Date of Birth: August 30, 1975

Education:

Ph.D. in Management (2019), University of Management and Technology (USA).

Ph.D. Candidate in Computer Science (AI and Big Data), Universiti Sains Malaysia (Current).

M.Sc. in Management Science (2005), Graduate School of Chinese Academy of Sciences.

Dual B.Sc. in Wireless Communication & Accounting (1998), Beijing Jiaotong University.

Postdoctoral Experience:

Harvard Kennedy School (International Trade & Innovation, 2024–Present).

Moscow State University (AI Governance, 2024–Present).

Boston University Questrom School of Business (FinTech & Data Science).

California State University (Financial Management & Innovation).

Current Academic Positions:

Associate Professor/Senior Engineer, School of Software, Beijing University of Technology.

Professor/Senior Engineer, School of Information Engineering, Hainan Vocational University of Science and Technology.

Senior Research Fellow, Digital Economy & Industrial Economics, Chinese Academy of Management Science.

Professional Certifications:

CMMI Lead Appraiser (Carnegie Mellon University).

TMMI Lead Appraiser (Illinois Institute of Technology).

DCMM/DSMM Lead Evaluator (China National Standards).

ITIL Manager, CSPM, CSQA, Certified Agile Coach, Product Manager.

Certified Carbon Management Professional, Senior Human Resource Trainer.

Key Expertise:

Crossdisciplinary research in economics, AI, blockchain, and big data.

Data asset management, crossborder data governance (GDPR/CPTPP/DEPA compliance).

NFT trading, virtual reality (VR) applications in trade, and digital transformation policies.

International standardization (ISO/IEC, ITSS, CMMI).

2. Professional Experience

Leadership Roles:

Technical Vice President, Mitsubishi-funded subsidiary (Managed 400+ R&D teams).

Principal Investigator, National/Ministry-level projects (e.g., VR-Based International Trade Simulation System).

Research Contributions:

Authored 30+ peer-reviewed papers, including 3 SCI-indexed articles on blockchain-based trade systems.

Led 4 national standards on data asset management (e.g., T/CI 6442024: Data Asset Valuation Guidelines).

Co-edited Data Resource Productization Practice Bluebook (2024) for the National Engineering Laboratory.

Teaching & Mentorship:

Designed graduate courses in software engineering and project management (Beijing Jiaotong University, Nankai University).

Supervised 60+ master's theses and 170+ undergraduate dissertations.

Awarded First Prize in Beijing University of Technology's Teaching Skills Competition.

3. Selected Publications

Journal Articles:

Lian, G. (2022). BlockchainBased Secure and Trusted Distributed International Trade Big Data Management System. *Mobile Information Systems (SCI)*.

Lian, G. (2022). Big Data Sharing Model and Key Mechanism of International Trade Based on Blockchain. *International Transactions on Electrical Energy Systems (SCI)*.

Lian, G. (2012). Research on Taiwan and Mainland Electronic Information Industry Competitiveness. *ICEICE Proceedings (EI)*.

Books & Standards:

Cloud Computing in Big Data (Textbook, 2019).

Coauthored 5 group standards on data ethics, AI training, and privacy enhancement (2024–2025).

4. Research Projects

NationalLevel Projects:

Integrated Air Defense MultiWeapon Platform Simulation (Defense Award, Ministry of Science and Technology, 1996–2000).

CrossBorder Data Flow Pilot for Haikou AI Ecosystem (Hainan Social Science Fund, Rank 1, Ongoing).

International Collaborations:

SinoTaiwanese Electronics Industry Synergy (Fujian Development Research Center).

Intelligent Policy Adaptation for CPTPP/DEPA Compliance (National Natural Science Foundation of China).

5. Intellectual Property

Patents:

BlockchainBased Data Asset Exchange Architecture (CN202210177757.2).

Blockchain Traceability Management System (CN202210508451.0).

Software Copyrights:

Rayleigh R&D Management Platform (2012SR047365).

Big Data Security Sharing System (2022SR0621658).

6. Professional Affiliations

Senior Member, IEEE Malaysia Section; China Computer Federation

(Blockchain, Big Data Committees).

Expert Reviewer, Ministry of Industry and IT (ITSS, DCMM/DSMM Standards).

Visiting Professor: Nankai University, Shandong University, Singapore Institute of Management.

7. Honors & Awards

First Prize, National Defense Science and Technology Progress Award (1996).

Top 50 Nationwide, Information System Project Manager Certification (2007).

Last Updated: July 2024